

of Beirut
AMERICAN UNIVERSITY OBSERVATORY

MONTHLY BULLETIN

METEOROLOGICAL SECTION

OWEN GINGERICH, DIRECTOR

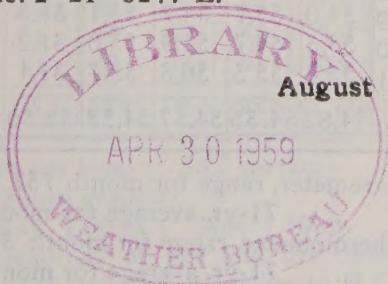
GIORGIO CONTINO, ASSOCIATE DIRECTOR

HALIM HOURANI, OBSERVER

BEIRUT, LEBANON

Latitude: $33^{\circ} 54' 22''$ N.

Longitude: $2^{\text{h}} 21^{\text{m}} 52^{\text{s}}.7$ E.



August 1958

Printed at the American Press.

AUGUST 1958
METEOROLOGICAL REGISTER

Date	Barometer reduced to 0°C Sea level and 45° Latitude 700 mm. + ...				Thermometer Degrees Centigrade					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	55.2	54.0	54.3	54.5	32.1	24.4	30.0	31.3	26.8	29.4
2	53.6	53.0	52.9	53.2	32.2	24.8	29.0	31.6	26.8	29.1
3	53.5	53.3	54.1	53.6	32.7	25.0	29.0	32.2	27.2	29.5
4	55.5	55.6	55.8	55.6	33.3	24.0	30.5	33.0	27.5	30.3
5	55.8	54.9	54.2	55.0	32.0	23.7	28.5	31.4	26.8	28.9
6	53.3	52.2	52.1	52.5	31.8	24.6	28.1	31.0	26.6	28.6
7	51.7	51.3	52.0	51.7	32.2	24.9	29.3	31.2	27.0	29.2
8	52.7	53.0	53.9	53.2	32.2	23.1	29.0	31.4	26.7	29.0
9	55.1	54.7	55.0	54.9	31.3	23.6	28.8	31.0	25.4	28.4
10	55.7	55.0	55.0	55.2	31.1	23.8	29.0	30.6	26.4	28.7
11	54.9	54.6	54.6	54.7	31.8	24.0	29.0	30.8	26.0	28.6
12	55.7	55.3	55.4	55.5	31.5	24.5	29.0	31.0	26.6	28.9
13	55.7	55.3	55.5	55.5	32.5	24.5	29.4	32.0	27.2	29.5
14	55.7	55.5	55.3	55.5	32.0	24.8	29.0	31.4	27.0	29.1
15	55.6	55.2	55.0	55.3	31.8	24.7	28.6	30.8	26.5	28.6
16	54.7	54.1	54.4	54.4	32.1	24.3	29.2	31.4	26.6	29.1
17	54.9	55.2	55.6	55.2	32.4	24.1	28.8	32.0	26.6	29.1
18	56.6	56.5	56.9	56.7	32.5	25.2	29.0	31.4	27.1	29.2
19	57.1	56.1	55.9	56.4	32.8	24.5	29.5	32.2	27.2	29.6
20	55.2	54.7	54.5	54.8	32.1	24.0	28.6	31.7	26.7	29.0
21	55.0	54.5	55.1	54.9	32.3	25.2	28.5	31.6	26.9	29.0
22	56.1	55.8	56.1	56.0	32.7	25.6	29.8	32.5	27.5	29.9
23	55.7	55.3	55.6	55.5	34.1	26.5	30.5	33.0	28.1	30.5
24	55.6	54.6	54.6	54.9	34.2	25.1	30.4	33.5	28.2	30.7
25	54.5	53.8	53.8	54.0	33.7	25.4	30.3	32.7	28.0	30.3
26	53.7	52.8	53.2	53.2	33.0	25.3	29.4	32.6	28.0	30.0
27	52.9	52.1	51.9	52.3	32.6	27.0	29.3	32.2	28.2	29.9
28	53.0	52.7	53.2	53.1	32.7	25.6	29.8	32.0	27.5	29.8
29	54.0	53.7	54.7	54.1	31.3	23.3	29.5	30.5	26.5	28.8
30	55.3	54.7	54.9	55.0	31.2	24.4	27.5	30.8	26.7	28.3
31	55.4	55.5	56.3	55.7	31.1	24.0	28.2	30.5	26.0	28.2
	54.82	54.35	54.57	54.58	32.30	24.64	29.14	31.65	26.98	29.26

Barometer, range for month 757.1 mm. — 751.3 mm.

71-yr. average for month 756.00 mm.

Thermometer, range for month 34.2°C — 23.1°C

71-yr. average for month 28.57°C

Rain total for month 0.00 mm.

71-yr average for month 0.45 mm.

„ Total, Sept. 1st. to end of month 857.58 mm.

71-yr average. Sept. 1st. to end of month 892 mm.

AUGUST 1958

METEOROLOGICAL REGISTER

Date	Pressure of Water Vapor Millibars				Relative Humidity per cent.				sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	25.5	28.0	28.6	27.4	60	61	81	67	12.0	111	
2	28.9	25.9	28.1	27.6	73	56	80	70	12.2	64	
3	26.8	29.1	27.4	27.8	67	61	76	68	12.2	63	
4	27.3	24.7	25.6	25.9	62	49	70	60	10.6	74	
5	27.4	28.2	27.6	27.7	70	61	79	70	11.6	130	
6	26.7	25.8	26.6	26.4	70	57	77	68	11.9	153	
7	27.3	28.4	28.7	28.1	67	62	81	70	12.0	219	
8	26.8	28.2	27.8	27.6	67	61	79	69	12.3	150	
9	24.1	24.3	23.2	23.9	61	54	72	62	12.7	126	
10	23.2	23.1	23.8	23.4	58	52	69	60	lost.rec	151	
11	23.7	21.5	23.2	22.8	59	48	69	59	12.2	93	
12	24.3	23.8	26.8	25.0	61	53	77	64	12.3	64	
13	28.0	29.4	29.2	28.9	69	62	81	71	12.4	113	
14	29.5	28.2	27.5	28.4	74	62	77	71	12.2	270	
15	26.1	25.9	24.8	25.6	67	59	72	66	12.0	259	
16	25.4	26.6	26.8	26.3	63	57	77	66	11.9	130	
17	27.0	28.9	28.3	28.1	69	61	81	70	11.8	82	
18	27.3	28.8	28.7	28.3	69	62	80	70	12.3	55	
19	28.2	29.3	30.0	29.2	69	61	83	71	12.2	111	
20	27.2	27.2	27.3	27.2	70	58	78	69	12.2	135	
21	26.2	25.9	27.5	26.5	67	56	78	67	11.9	76	
22	27.8	29.9	29.6	29.1	67	61	81	70	10.4	146	
23	28.7	35.0	34.5	32.7	65	69	91	75	12.0	161	
24	22.2	32.6	30.7	28.5	69	63	81	71	12.1	114	
25	30.4	32.2	30.6	31.1	70	65	81	72	12.1	97	
26	29.1	33.1	32.0	31.4	71	67	85	74	11.8	142	
27	30.1	33.2	31.9	31.7	74	69	83	75	11.8	385	
28	28.8	30.6	24.4	27.9	69	64	66	66	11.5	311	
29	21.6	21.9	20.6	21.4	52	50	59	54	11.0	204	
30	18.9	20.3	23.6	20.9	51	47	67	55	8.9	200	
31	19.5	21.0	18.5	19.7	51	48	55	51	10.9	190	
	26.40	27.45	27.22	26.98	65.5	58.6	76.3	66.8	11.78	147.71	

Height of Barometer above sea level : 33.7 meters.

Height of Thermometers above ground :

Dry and wet 1.25 m. ; Max. 1.30 m. ; Min. 1.50 m.

Hygrometric data from readings of wet and dry bulb thermometers exposed in a Stevenson screen, reduced according to M.O. 265.

Rim of Rain Gauge : above ground 0.66 m. ; above sea level 30.31 m.

Rainfall is read at 20:30 for the preceding 24 hours.

71 year averages are for period, 1875-1945

AUGUST 1958

METEOROLOGICAL REGISTER

Date	Clouds clear—0 Overcast—10				beaufort, scale Direction and force of wind			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	4cu	0	2cu	2.0	2s	3w	2sw	light	
2	7st	0	0	2.3	2sw	2sw	1w	"	
3	0	0	0	0.0	2sw	2nw	1e	calm	
4	0	0	0	0.0	2w	2w	1w	light	
5	6cu-st	3st	0	3.0	2sw	2sw	2w	"	
6	6cu-st	0	2st	2.7	2sw	2sw	2w	light	H.p.m
7	5cu-st	0	0	1.7	2sw	2sw	1w	"	H.a.m.p.m
8	1cu-st	0	0	0.3	3sw	3sw	1w	"	H.a.m.p.m
9	4cu-st	0	0	1.3	3sw	2sw	1w	"	
10	6cu-ci	0	1st	2.3	3sw	2sw	1w	"	
11	4st	2st	0	2.0	2w	2w	1w	light	
12	4st	0	0	1.3	2sw	2sw	1w	"	
13	0	0	0	0.0	1w	2w	1w	"	
14	5cu-st	6cu-st	0	3.7	3sw	2sw	2w	"	
15	0	3st	0	1.0	3sw	3w	2w	"	
16	2cu-st	2cu-st	1st	1.7	2sw	2sw	2w	light	
17	1ci	3ci	0	1.3	1sw	1w	1w	"	
18	0	0	0	0.0	2sw	2n	1w	"	
19	4cu-st	0	0	1.3	2sw	2w	1w	"	
20	0	0	0	0.0	3sw	2sw	1w	"	
21	3cu-st	0	0	1.0	2sw	2w	1w	light	
22	3st	0	0	1.0	2nw	2ne	2n	calm	
23	0	0	0	0.0	2sw	2ne	2ne	light	H.p.m
24	0	0	0	0.0	2sw	1w	1sw	calm	
25	0	0	0	0.0	3sw	2sw	1w	light	
26	0	0	0	0.0	2sw	2sw	1w	light	
27	0	0	0	0.0	3sw	2sw	3w	"	H.a.m.p.m
28	0	4cu-st	2cu-st	2.0	3sw	3sw	3w	"	
29	3cu	0	7st-cu	3.3	2w	3sw	2w	"	
30	10st	0	4st-cu	4.7	2sw	3sw	2sw	"	
31	0	0	9st-cu	3.0	3sw	3w	3w	"	
mean				1.38					

Abbreviations: G = gale; H = haze; M = mist; T = thunderstorm; D = dew
W = strong wind; Tr = trace of rain

NUMBER OF DAILY WIND OBSERVATIONS

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	0	0	0	0	1	25	4	1	0	31
14:30	1	2	0	0	0	17	10	1	0	31
20:30	1	1	1	0	0	3	25	0	0	31
Total	2	3	1	0	1	45	39	2	0	93

Number of days with rain 0, fog 0, thunderstorms 0, gale. 0

71 yr. av. number of days with rain during month 0.18

Time of reading minus 2 hours equals G.C.T